

MEMORANDUM

Date: June 13, 2007

To: Honorable Chairman Bruno A. Barreiro
and Members, Board of County Commissioners

From: George M. Burgess
County Manager

Subject: Request to Advertise for People's Transportation Plan (PTP) Roadway Improvements to NW 74 Street, from NW 107 Avenue to NW 87 Avenue; NW 74 Street, from NW 87 Avenue to NW 84 Avenue, Located Within Commission District 12 - Project No: 20070575; Contract No: 20070575

TC
Agenda Item No. 4(L)

Recommendation

This Request to Advertise for Construction Contract No: 20070575 has been prepared by the Public Works Department (PWD) and is recommended for approval.

Scope

PROJECT NAME: PTP Roadway Improvements to NW 74 Street, from NW 107 Avenue to NW 87 Avenue; NW 74 Street, from NW 87 Avenue to NW 84 Avenue, located within Commission District 12

PROJECT NO: 20070575 (Formerly 20040355)

CONTRACT NO: 20070575

PROJECT DESCRIPTION: This project consists of constructing a new six-lane divided roadway along NW 74 Street, from NW 107 Avenue to NW 87 Avenue, by providing a raised landscaped median, turn lanes, bike lanes, curb and gutters, sidewalks, pavement marking, signage, traffic signalization, roadway lighting and a continuous storm drainage system and valve access manholes on the existing 96" WASD water main. In addition, the project also includes improvements along NW 74 Street, from NW 87 Avenue to NW 84 Avenue, which consist of constructing five (5) new lanes of roadway, with turn lanes of a future six (6) lane divided roadway, sidewalks, curb and gutters, continuous storm drainage system, roadway lighting, pavement markings and signage.

PROJECT LOCATION: NW 74 Street, from NW 107 Avenue to NW 87 Avenue; NW 74 Street, from NW 87 Avenue to NW 84 Avenue

PROJECT SITES:	<u>LOCATION</u>	<u>DIST</u>	<u>ESTIMATE</u>	<u>T-S-R</u>
	NW 74TH ST and NW 87TH AVE	12	\$27,690,710.53	53-10-40

PRIMARY COMMISSION DISTRICT: District 12 Jose "Pepe" Diaz

APPROVAL PATH: Board of County Commissioners

USING DEPARTMENT: Public Works Department

MANAGING DEPARTMENT: Public Works Department

Fiscal Impact / Funding Source

FUNDING SOURCE:	<u>SOURCE</u>	<u>AMOUNT</u>
	PTP revenues including but is not limited to the Charter County Transit System Sales Surtax, financing proceeds as listed in Ordinance No. 02-116, provision for implementation of the PTP. This contract, like all PTP contracts, will not be awarded without oversight of the Citizens' Independent Transportation Trust (CITT). The proposed improvements qualify under the allowable work categories included in the PTP Major Highway and Roadway Improvements Section. This site-specific project is included in the PTP Ordinance under the Board Requested Projects in Commission District 12. Any other applicable funding sources may subsidize this contract.	<u>\$27,690,710.53</u>

PTP FUNDING: Yes

GOB FUNDING: No

CAPITAL BUDGET PROJECTS:	<u>BUDGET PROJECT / DESCRIPTION</u>	<u>RTA ESTIMATE</u>
	6036590-WIDEN NW 74 STREET FROM THE HOMESTEAD EXTENSION OF THE FLORIDA TURNPIKE (HEFT) TO STATE ROAD 826 Book Page: 98 Funding Year: Prior Year	\$1,500,000.00
	6036590-WIDEN NW 74 STREET FROM THE HOMESTEAD EXTENSION OF THE FLORIDA TURNPIKE (HEFT) TO STATE ROAD 826 Book Page: 98 Funding Year: 2006-07	\$12,700,000.00
	6036590-WIDEN NW 74 STREET FROM THE HOMESTEAD EXTENSION OF THE FLORIDA TURNPIKE (HEFT) TO STATE ROAD 826 Book Page: 98 Funding Year: 2007-08	\$8,000,000.00
	6036590-WIDEN NW 74 STREET FROM THE HOMESTEAD EXTENSION OF THE FLORIDA TURNPIKE (HEFT) TO STATE ROAD 826 Book Page: 98 Funding Year: 2008-09	<u>\$5,490,710.53</u>

Project Totals: \$27,690,710.53

**ESTIMATED
CONTRACT PERIOD:** 540 Calendar Days

**ESTIMATED
CONTINGENCY
PERIOD:** 54 Calendar Days

**IG FEE INCLUDED IN
BASE CONTRACT:** Yes

**ART IN PUBLIC
PLACES:** No

BASE ESTIMATE: \$24,625,187.97

CONTINGENCY ALLOWANCE (SECTION 2-8.1 MIAMI DADE COUNTY CODE):	TYPE	PERCENT	AMOUNT	COMMENT
	Infrastructure	10%	\$2,462,518.80	

PERMIT FEES :	\$35,000.00	0.00%
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MAINTENANCE OF TRAFFIC :	\$492,503.76	0.00%
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BITUMINOUS MATERIAL ADJUSTMENT :	\$34,500.00	0.00%
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FPL CONNECTION ALLOWANCE :	\$1,000.00	0.00%
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OFF-DUTY LAW ENFORCEMENT OFFICER :	\$40,000.00	0.00%
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TOTAL DEDICATED ALLOWANCE:	\$603,003.76
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COST ESTIMATE: \$27,690,710.53

Track Record / Monitor

EXPLANATION: Not applicable - will be provided at the time of award.

**MINIMUM
QUALIFICATIONS
EXCEED LEGAL
REQUIREMENTS:** No

REVIEW COMMITTEE: **MEETING DATE:** 5/9/2007 **SIGNOFF DATE:** 5/9/2007

**RESPONSIBLE
WAGES:** Yes

**REVIEW COMMITTEE
ASSIGNED
CONTRACT
MEASURES:** **MEASURE GOAL**
CSBE 15.00%
CWF 0.00% Not applicable

**MANDATORY
CLEARING HOUSE:** Yes


**CONTRACT
MANAGER
NAME/PHONE/EMAIL:** Michael Moore (305) 375-2093 jmc1@miamidade.gov

**PROJECT MANAGER
NAME/PHONE/EMAIL:** Octavio Marin (305) 375-1306 ocm@miamidade.gov


Background


BACKGROUND: After bids were received on the previous project (No. 20040355 on June 6, 2006) PWD was notified by the Water and Sewer Department (WASD) of a special condition affecting the project. The original limits of the project were from NW 107 Avenue to NW 87 Avenue, however, along the proposed project there is a 96" water main resulting in strict conditions which must be followed during the course of construction in order to protect this pipe. These conditions were not known at the time of bidding and significantly changed the scope of work of the project. Therefore, the Department requested approval on January 17, 2007, to reject all of the bids received. After considerable discussions with WASD, PWD revised the plans to include the required pipe protection, access manholes for the 96" water main as well as, to incorporate requests from the recently negotiated Right-of-Way Agreement with the adjacent property owners affecting the section of the project between NW 107 Avenue to NW 97 Avenue. In addition, the project scope of work increased to incorporate the roadway improvements from NW 87 Avenue to NW 84 Avenue. The estimated construction cost has increased from the last advertisement due to the increased scope of work. However, this increase was included in the most recent PTP Pro Forma; in addition, FDOT will reimburse PWD additional funding for the project. The exact amount is still to be negotiated, though the County should ultimately be paying ¼ of the total project cost. PWD is requesting approval of this RTA which reflects the added scope of work and cost estimate.

BUDGET APPROVAL
FUNDS AVAILABLE:

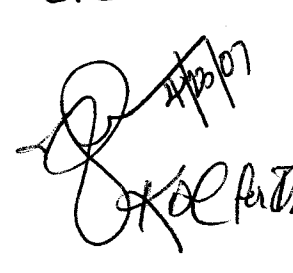

OSBM DIRECTOR 5-3-07
DATE

APPROVED AS TO
LEGAL SUFFICIENCY:


COUNTY ATTORNEY 5-7-07
DATE


ASSISTANT COUNTY
MANAGER DATE

CPEPTP 112745


KOL for James Beedler
4/25/07

CLERK OF BOARD:

DATE

BOARD OF COUNTY
COMMISSIONERS:

DATE



Dept. of Business Development
Project Worksheet

Project/Contract Title: NW 74TH STREET FROM NW 107TH AVENUE TO 87TH AVENUE (SIC 16) RC Date: 05/09/2007
Project/Contract No: 20070575 (FORMERLY 20040355) Funding Source: Item No: 3-07
Department: PUBLIC WORKS DEPARTMENT PTP
Estimated Cost of Project/Bid: \$27,690,711.00 Resubmittal Date(s): 01/25/2006
Description of Project/Bid: THE IMPROVEMENTS TO NW 74TH STREET CONSISTS OF CONSTRUCTING A NEW SIX-LANE DIVIDED ROADWAY ALONG NW 74TH STREET, FROM 107TH AVENUE TO NW 87TH AVENUE (2.36 MILES) BY PROVIDING A RAISED LANDSCAPED MEDIAN, TURN LANES, BIKE LANES, CURB AND GUTTERS, SIDEWALKS, PAVEMENT MARKING, SIGNAGE, TRAFFIC SIGNALIZATION, ROADWAY LIGHTING, CONTINUOUS STORM DRAINAGE SYSTEM, AND VALVE ACCESS MANHOLES ON THE EXISTING 96" WATER AND SEWER DEPARTMENT (WASD) WATER MAIN. IN ADDITION, THE PROJECT ALSO INCLUDES IMPROVEMENTS ALONG NW 74TH STREET, FROM 87TH AVENUE TO NW 84TH 04/05/2006

Contract Measures Recommendation

Measure	Program	Goal Percent
Goal	CSBE	14.56%

Reasons for Recommendation

An analysis of the factors contained in Section VI C of Administrative Order 3-22 indicate that a 15% goal is appropriate in the trades of land clearing and grubbing (All Other Heavy Construction), pavement marking and signage (Painting and Wall Covering Contractors), and concrete.

This project is a resubmittal from 04/05/06. Bid were received for this project, however all bids were rejected based upon PWD being notified by WASD of special conditions affecting the project which would have significantly changed the bid price. The estimate of this project increased from \$19,307,770 to \$27,690,711. Resubmittal from 01/25/06: Estimate increased from \$11,798,854 to \$19,307,770.

CWP Not Applicable: Not in DTA

Analysis for Recommendation of a Goal

Subtrade	Cat.	Estimated Value	% of Items to Base Bid	Availability
Concrete Contractors	CSBE	\$1,429,283.74	5.16%	16
All Other Heavy Construction	CSBE	\$2,461,704.21	8.89%	13
Painting and Wall Covering Contractors	CSBE	\$139,838.09	0.51%	36
Total		\$4,030,826.04	14.56%	

Living Wages: YES ☐ NO ☒ Highway: YES ☒ NO ☐ Heavy Construction: YES ☐ NO ☒
Responsible Wages: YES ☒ NO ☐ Building: YES ☐ NO ☒

Ordinance 90-143 is applicable to all construction projects over \$100,000 that do not utilize Federal Funds

REVIEW COMMITTEE RECOMMENDATION

Tier 1 Set Aside _____
Set Aside _____ Level 1 _____ Level 2 _____ Level 3 _____
Trade Set Aside (MCC) _____ Goal 15% CSBE Bid Preference _____
No Measure _____ Deferred _____ Selection Factor _____
Chairperson, Review Committee 5/9/07 County Manager Date

STRATEGIC AREA: Transportation
DEPARTMENT: Public Works

***** FUNDED PROJECTS *****
(dollars in thousands)

WIDEN NW 72 AVENUE AND CONSTRUCT NEW BRIDGE

PROJECT # 6039731

DESCRIPTION: Widen road from two to four lanes on 0.5 miles of roadway and construct new bridge

LOCATION: NW 72 Ave from NW 74 St to Okeechobee Rd
Road Impact Fee District 1

DISTRICT LOCATED: 12
DISTRICT(s) SERVED: 12

ESTIMATED ANNUAL OPERATING IMPACT: Minimal

REVENUE SCHEDULE:	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Road Impact Fees	6,350	2,050	900	0	0	0	0	0	9,300
TOTAL REVENUE:	6,350	2,050	900	0	0	0	0	0	9,300
EXPENDITURE SCHEDULE:	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Land/Bldg. Acquisition	2,000	0	0	0	0	0	0	0	2,000
Planning and Design	550	0	0	0	0	0	0	0	550
Construction	3,800	2,050	900	0	0	0	0	0	6,750
TOTAL EXPENDITURES:	6,350	2,050	900	0	0	0	0	0	9,300

WIDEN NW 74 STREET FROM THE HOMESTEAD EXTENTION OF THE FLORIDA TURNPIKE (HEFT) TO STATE ROAD 826

PROJECT # 6036590

DESCRIPTION: Widen road from two lanes to four lanes on 0.5 miles of roadway

LOCATION: NW 74 St from HEFT to NW 82 Ave
Unincorporated Miami-Dade County

DISTRICT LOCATED: 12
DISTRICT(s) SERVED: 12

ESTIMATED ANNUAL OPERATING IMPACT: Minimal

REVENUE SCHEDULE:	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
People's Transportation Plan Bond Program	1,500	12,700	8,000	6,000	4,000	0	0	0	32,200
TOTAL REVENUE:	1,500	12,700	8,000	6,000	4,000	0	0	0	32,200
EXPENDITURE SCHEDULE:	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Planning and Design	1,500	700	0	0	0	0	0	0	2,200
Construction	0	12,000	8,000	6,000	4,000	0	0	0	30,000
TOTAL EXPENDITURES:	1,500	12,700	8,000	6,000	4,000	0	0	0	32,200

WIDEN NW 87 AVENUE FROM NW 162 STREET TO NW 170 STREET

PROJECT # 6010900

DESCRIPTION: Widen road from two to four lanes on 0.5 miles of roadway

LOCATION: NW 87 Ave from NW 162 St to NW 170 St
Road Impact Fee District 3

DISTRICT LOCATED: 13
DISTRICT(s) SERVED: 13

ESTIMATED ANNUAL OPERATING IMPACT: Minimal

REVENUE SCHEDULE:	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Road Impact Fees	2,500	200	0	0	0	0	0	0	2,700
TOTAL REVENUE:	2,500	200	0	0	0	0	0	0	2,700
EXPENDITURE SCHEDULE:	PRIOR	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	FUTURE	TOTAL
Planning and Design	350	0	0	0	0	0	0	0	350
Construction	2,150	200	0	0	0	0	0	0	2,350
TOTAL EXPENDITURES:	2,500	200	0	0	0	0	0	0	2,700

BUDGET PROJECT 6036590

Project Title: 6036590-WIDEN NW 74 STREET FROM NW 87 AVENUE TO NW 82 AVENUE

Project Desc: Widen road from two to four lanes on 0.5 miles of roadway

Project \$\$	<u>Start:</u>	<u>End:</u>	<u>Prior:</u>	<u>06-07:</u>	<u>07-08:</u>	<u>08-09:</u>	<u>09-10:</u>	<u>Total:</u>
(\$\$ in 000's)	6/1/2004	7/1/2006	1,500	12,700	8,000	6,000	4,000	32,200

Project Type: PTP

CDPWeb Project Milestones (\$ IN 000'S)

<u>Milestone:</u>	<u>Start:</u>	<u>End:</u>	<u>Prior:</u>	<u>06-07:</u>	<u>07-08:</u>	<u>08-09:</u>	<u>09-10:</u>	<u>Total:</u>
Planning/Design	N/A	N/A	1,500	700	0	0	0	2,200
Construction	N/A	N/A	0	12,000	8,000	6,000	4,000	30,000

CDPWeb Project Revenue (\$ IN 000'S)

<u>Revenue:</u>	<u>Start:</u>	<u>End:</u>	<u>Prior:</u>	<u>06-07:</u>	<u>07-08:</u>	<u>08-09:</u>	<u>09-10:</u>	<u>Total:</u>
People's Transportati	N/A	N/A	1,500	12,700	8,000	6,000	4,000	32,200

EXIT

Current Contracts for Project 6036590

<u>Dept</u>	<u>ContractNo</u>	<u>Contract Name</u>	<u>RTA Budget Allocation</u>	<u>Award Budget Allocation</u>	<u>CIIS Award</u>
PW	<u>20040355</u>	PTP Roadway Improvements to NW	\$0.00	\$2,000,000.00	\$0.00
PW	<u>20040355</u>	PTP Roadway Improvements to NW	\$2,000,000.00	\$0.00	\$0.00
PW	<u>20070575</u>	PTP Roadway Improvements to NW	\$32,000.00	\$0.00	\$0.00
PW	<u>E06-PW-04</u>	Consultant Services for Constr	\$380,265.62	\$0.00	\$0.00

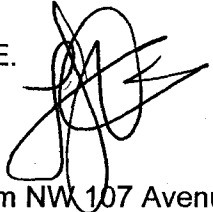
Total Allocated: \$2,412,265.62 \$2,000,000.00

Current Sites for Project 6036590

<u>Site</u>	<u>Location</u>
<u>72494</u>	A SEGMENT from NW 74TH ST and NW 87TH AVE to 107 Ave
<u>72499</u>	NW 74 Street, From 107 Avenue to 87 Avenue

Date: March 21, 2007

To: Michael Moore
Manager
Contracts and Specifications Section

From: Leandro Oña, P.E.
Chief
Highway Division 

Subject: NW 74 Street from NW 107 Avenue to NW 87 Avenue
Project No. 20040355
NW 74 Street from NW 87 Avenue to NW 84 Avenue
Project No. 20030156

Enclosed please find one set of revised plans for the subject projects.

Please be advised that the plans for NW 74 Street from NW 87 Avenue to NW 84 Avenue are still under design and the quantities will change.

Please proceed with the preparation of one contract & specifications for both projects.

If you have any questions, please contact Lana Moorey, P.E. at extension 2863.

Attachment

Cc: Gaspar Miranda, P.E., Assistant Director, Highway Engineering
Lana Moorey, P.E., Project Manager

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Contracts & Specifications
Public Works Department

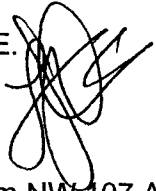
**MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT
HIGHWAY DIVISION - PLANS REVIEW & DESIGN SECTION
NW 74 STREET FROM NW 107 AVENUE TO NW 84 AVENUE**

Project No. 20040355 and 20030156

POSSIBLE SUBCONTRACTORS	ESTIMATED VALUE	TOTAL JOB (%)
1. BITUMINOUS SURFACE COURSES AND CONCRETE PAVEMENT	\$3,289,476.00	13.4
2. CONCRETE	\$1,429,307.00	5.8
3. DRAINAGE STRUCTURES AND PIPES	\$2,445,591.00	9.9
4. PAVEMENT MARKING & SIGNAGE	\$139,940.00	0.6
5. LIGHTING	\$2,351,830.00	9.6
6. CLEARING & GRUBBING	\$2,462,519.00	10.0
7. EARTHWORK AND BASE	\$10,886,055.00	44.2
9. SIGNALIZATION	\$625,636.00	2.5
10. GUARDRAIL AND FENCE	\$256,127.00	1.0
11. SODDING & TREE RELOCATION	\$552,679.00	2.2
12. CONTROL OF EROSION & WATER POLLUTION	\$16,868.00	0.1
13. GENERAL CONSTRUCTION OPERATIONS	\$107,597.00	0.4
14. INSPECTOR GENERAL I.G. (1/4% OF SUB-TOTAL)	\$61,562.97	0.3
<u>BASE ESTIMATED COST</u>	\$24,625,187.97	100.0
10% CONTINGENCY (10% of the BASE ESTIMATED COST)	\$2,462,518.80	
<u>SUB-TOTAL</u>	\$27,087,706.77	
<u>DEDICATED ALLOWANCES</u>		
MOT(2% OF BASE-ESTIMATED COST)	\$492,503.76	
BITUMINOUS MATERIAL ADJUSTMENT	\$34,500.00	
PUBLIC WORKS PERMIT ALLOWANCE	\$35,000.00	
OFF DUTY LAW ENFORCEMENT OFFICER	\$40,000.00	
FPL CONNECTION ALLOWANCE	\$1,000.00	
<u>GRAND-TOTAL</u>	\$27,690,710.53	

Date: March 5, 2007

To: Michael Moore
Manager
Contracts and Specifications Section

From: Leandro Oña, P.E.
Chief
Highway Division 

Subject: NW 74 Street from NW 107 Avenue to NW 87 Avenue
Project No. 20040355 and
NW 74 Street from NW 87 Avenue to NW 84 Avenue
Project No. 20030156

20070575

Attached please find the Information required for the Review Committee to approve the Community Small Business Enterprise contract measures in order to proceed with advertising for bid for the subject project.

Project Description:

The improvements to NW 74 Street from NW 107 Avenue to NW 87 Avenue consist of constructing a new six-lane divided roadway by providing a raised landscaped median, turn lanes, bike lanes, curb and gutters, sidewalks, storm drainage system, pavement marking and signage, traffic signalization and roadway lighting. The improvements to NW 74 Street from NW 87 Avenue to NW 84 Avenue consist of constructing 3 lanes with turn lanes of a future six-lane divided roadway, curb and gutters, sidewalks, storm drainage system, pavement marking and signage and roadway lighting.

Please utilize the following budget code for construction:

CPEPTP11274S

If you have any questions, please contact Lana Moorey, P.E. at extension 2863.

Attachment

Cc: Gaspar Miranda, P.E., Assistant Director, Highway Engineering
Lana Moorey, P.E., Project Manager

RECEIVED
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Contracts & Specifications
Public Works Department

**MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT
HIGHWAY DIVISION - PLANS REVIEW & DESIGN SECTION
NW 74 STREET FROM NW 107 AVENUE TO NW 84 AVENUE**

Project No. 20040355 and 20030156

POSSIBLE SUBCONTRACTORS	ESTIMATED VALUE	TOTAL JOB (%)
1. BITUMINOUS SURFACE COURSES AND CONCRETE PAVEMENT	\$3,289,476.00	13.4
2. CONCRETE	\$1,429,307.00	5.8
3. DRAINAGE STRUCTURES AND PIPES	\$2,445,591.00	9.9
4. PAVEMENT MARKING & SIGNAGE	\$139,940.00	0.6
5. LIGHTING	\$2,351,830.00	9.6
6. CLEARING & GRUBBING	\$2,462,519.00	10.0
7. EARTHWORK AND BASE	\$10,886,055.00	44.2
9. SIGNALIZATION	\$625,636.00	2.5
10. GUARDRAIL AND FENCE	\$256,127.00	1.0
11. SODDING & TREE RELOCATION	\$552,679.00	2.2
12. CONTROL OF EROSION & WATER POLLUTION	\$16,868.00	0.1
13. GENERAL CONSTRUCTION OPERATIONS	\$107,597.00	0.4
14. INSPECTOR GENERAL I.G. (1/4% OF SUB-TOTAL)	\$61,562.97	0.3
<u>BASE ESTIMATED COST</u>	\$24,625,187.97	100.0
10% CONTINGENCY (10% of the BASE ESTIMATED COST)	\$2,462,518.80	
<u>SUB-TOTAL</u>	\$27,087,706.77	
<u>DEDICATED ALLOWANCES</u>		
MOT(2% OF BASE-ESTIMATED COST)	\$492,503.76	
BITUMINOUS MATERIAL ADJUSTMENT	\$34,500.00	
PUBLIC WORKS PERMIT ALLOWANCE	\$35,000.00	
OFF DUTY LAW ENFORCEMENT OFFICER	\$40,000.00	
FPL CONNECTION ALLOWANCE	\$1,000.00	
<u>GRAND-TOTAL</u>	\$27,690,710.53	

12

SUMMARY OF ROADWAY PAY ITEMS			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
102-1	MAINTENANCE OF TRAFFIC	LS	1
102-60A	WORK ZONE SIGNS	ED	1,579
102-74-1	BARRICADE (TEMPORARY) (TYPE 1, 11, D1, VP & DRUM)	ED	1,137
102-74-2	BARRICADE (TEMPORARY) (TYPE III)	ED	212
102-76	PANEL ARROW ADVANCE WARNING	ED	50
102-77	HIGH INTENSITY FLASHING LIGHTS (TYPE B)	ED	150
102-78	MARKER PAINT REFLECTIVE (TEMPORARY)	EA	181
102-99	CHANGEABLE VARIABLE MESSAGE SIGN (TEMPORARY)	ED	14
104-13-1	SILT FENCE STAKED (TYPE III)	LF	10,380
110-1-1	CLEARING AND GRUBBING	LS	1
120-1	REGULAR EXCAVATION	CY	17,496
120-4	SUBSOIL EXCAVATION	CY	142,452
120-6	EMBANKMENT (INCLUDING BORROW)	CY	287,321
160-4	STABILIZATION, TYPE B	SY	125,700
285-709	BASE OPTIONAL (BASE GROUP 9)	SY	115,135
327-70	MILLING EXISTING ASPH. PAVT. (1.0")	SY	10,920
334-1-23	SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC C)	TN	15,664
337-7-21A	ASPH. CONC. FRICTION COURSE (FC-9.5) (INC. RUBBER)	TN	6,243
351-2A	DETECTABLE WARNING SURFACES	SF	540.0
400-1-15B	CONC. CLASS I (MISCELLANEOUS)	CY	111.15
425-1-351	INLETS (CURB) (TYPE P-5)(10')	EA	25
425-1-352	INLETS (CURB) (TYPE P-5)(10')	EA	2
425-1-361	INLETS (CURB) (TYPE P-6)(10')	EA	26
425-1-451	INLETS (CURB) (TYPE J-5)(10')	EA	27
425-1-461	INLETS (CURB) (TYPE J-6)(10')	EA	11
425-1-703	INLETS GUTTER TYPE "S" J BOT. (10')	EA	1
425-1-705	INLET CURB TYPE P-5 (PARTIAL)	EA	6
425-1-706	INLET CURB TYPE P-6 (PARTIAL)	EA	3
425-2-7	MANHOLE (J-7) (10')	EA	2
425-2-7	MANHOLE (J-7) (10')	EA	2
425-2-7	MANHOLE (J-7) (10')	EA	2
425-2-102	MANHOLE (SPECIAL)	EA	9
425-6	MANHOLE (ADJUST)	EA	5
430-1-125	PIPE CULVERT OPT. MATL. (ROUND) (18")	LF	3,036.5
430-1-129	PIPE CULVERT OPT. MATL. (ROUND) (24")	LF	4,218.5
430-1-138	PIPE CULVERT OPT. MATL. (ROUND) (36")	LF	732.5
430-1-171-225	PIPE CULVERT OPT. MATL. (ELLIP) (18")	LF	235
430-1-171-229	PIPE CULVERT OPT. MATL. (ELLIP) (24")	LF	555
443-70-40	FRENCH DRAIN (24")	LF	6,590.5
515-211	PEDESTRIAN BICYCLE RAILING	LF	14.2
520-1-10	CONCRETE CURB AND GUTTER (TYPE "F")	LF	38,032
520-5-4	CONC. TRAF. SEP. (TYPE IV) (4' WIDTH)	LF	2,749
520-5-46	CONC. TRAF. SEP. (TYPE IV) (8'-5" WIDTH)	LF	1,063
522-1	CONC. S/W (4" THICK) (INCLUDING PEDS. RAMPS)	SY	14,952
522-2	CONC. S/W (16" THICK)	SY	982
575-1	SODDING	SY	49,851
580-327-1	TREE RELOCATION	EA	200
710-1-11	MARKINGS REMOVAL	SF	4,692
710-23-61	TRAFFIC STRIPE SOLID (WHITE) 6"	NM	1,568
710-24-61	TRAFFIC STRIPE SOLID (YELLOW) 6"	NM	1,650
710-27	TRAFFIC STRIPE SKIP (WHITE) 6"	LF	440
710-28	TRAFFIC STRIPE SKIP (YELLOW) 6"	LF	256
711-7	PAINT MARKING REMOVE (THERMOPLASTIC)	SF	256
1644-800-	FIRE HYDRANT (RELOCATE)	EA	5

SUMMARY OF SIGNING PAY ITEMS			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
700-40-1-S	SIGN SINGLE POST (12 SF)	AS	58
700-41-10	SIGN MULTI-POST (50 OR LESS)	AS	2
700-46-11	EXIST. SIGNS TO BE REMOVED	AS	7
705-2	DELINEATOR, DOUBLE UNIT	EA	4
706-3	RETRO REFLECTIVE PAVEMENT MARKER	EA	1998
710-30	REFLECTIVE PAINT (ISLAND NOSE)	SY	31.6
711-3	PAVEMENT MESSAGES THERMOPLASTIC	EA	103
711-4	DIRECTIONAL ARROW THERMOPLASTIC	EA	74
711-5-5611	GUIDES LINES (THERMOPLASTIC) (WHITE)	LF	852
711-31	TRAFFIC STRIPE SKIP (THERMOPLASTIC) (10'-30' YELLOW)	OM	7,635
711-35-81	SOLID TRAFFIC STRIPE THERMOPLASTIC (12" WHITE)	LF	7350
711-35-121	SOLID TRAFFIC STRIPE THERMOPLASTIC (12" WHITE)	LF	1515
711-35-181	SOLID TRAFFIC STRIPE THERMOPLASTIC (18" WHITE)	LF	3938
711-35-241	SOLID TRAFFIC STRIPE THERMOPLASTIC (24" WHITE)	LF	377
711-36-81	SOLID TRAFFIC STRIPE THERMOPLASTIC (18" YELLOW)	LF	980
711-36-181	SOLID TRAFFIC STRIPE THERMOPLASTIC (18" YELLOW)	LF	848
711-37-61	SOLID TRAFFIC STRIPE THERMOPLASTIC (16" WHITE)	NM	5,195
711-38-61	SOLID TRAFFIC STRIPE THERMOPLASTIC (16" YELLOW)	NM	4,565

SUMMARY OF LIGHTING PAY ITEMS			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
715-1-1-13	CONDUIT (FURNISH & INSTALL) (NO. 6) (INSULATED)	LF	69364
715-2-1-11	CONDUIT (FURNISH & INSTALL) (U-GROUND) (PVC SCHEDULE 40) (13/4")	LF	522
715-2-1-15	CONDUIT (FURNISH & INSTALL) (U-GROUND) (PVC SCHEDULE 40) (12")	LF	21990
715-2-2-15	CONDUIT (FURNISH & INSTALL) (U-GROUND) (PVC SCHEDULE 40) (12")	LF	220
715-7-1-11	LOAD CENTER (FURNISH & INSTALL) (SECONDARY VOLTAGE)	EA	4
715-14-11	PULL BOX (FURNISH AND INSTALL) (ROADSIDE)	EA	79
715-14-12A	PULL BOX (FURNISH AND INSTALL) (SIDEWALK)	EA	94
715-41-310	ALUMINUM LIGHT POLE, COMPLETE	EA	87
715-100-11	LUMINAIRE, 400WATT-HIGH PRESSURE SODIUM VAPOR LUMINAIRE WITH LAMP	EA	87

SUMMARY OF SIGNAL PAY ITEMS			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
630-1-1-2	CONDUIT (UNDER GROUND)	LF	3082
630-1-1-13	CONDUIT (UNDER PAVEMENT)	LF	2105
632-7-1	CABLE (SIGNAL)	PI	4
635-1-1-11	PULL AND JUNCTION BOXES (PULL BOXES)	EA	63
639-1-1-13	ELECTRICAL POWER SERVICES	AS	2
639-2-1	ELECTRICAL SERVICES WIRE	LF	180
639-3-12	ELECTRICAL SERVICES DISCONNECT (POLE)	EA	2
647-11-31	MAST ARM ASSEMBLY (34")	EA	1
647-11-56	MAST ARM ASSEMBLY (56")	EA	2
647-13-66	MAST ARM ASSEMBLY (66")	EA	2
647-13-68	MAST ARM ASSEMBLY (68")	EA	2
647-13-70	MAST ARM ASSEMBLY (70")	EA	1
650-51-311	TRAFFIC SIGNAL STANDARD (3 SECTION 1 WAY)	AS	13
650-51-511	TRAFFIC SIGNAL STANDARD (5 SECTION 1 WAY)	AS	9
653-171	PEDESTRIAN SIGNAL (1 SECTION 1 WAY)	AS	12
659-107A	SIGNAL HEAD AUXILIARIES (ALUMINUM PEDESTAL)	EA	2
660-2-109	INDUCTIVE LOOP DETECTOR (TYPE 9)	EA	12
660-2-10	LOOP ASSEMBLY (TYPE A)	AS	16
665-11	PEDESTRIAN DETECTOR	EA	6
671-2-12	TRAFFIC CONTROLLER ASSEMBLY (TYPE 170) (FRT)	AS	2
685-120	SYSTEM AUXILIARIES (F & T) (TELEMETRY TRANSCIVER)	EA	2
685-124	SYSTEM AUXILIARIES (F & T) (UNIVERSAL ADAPTER)	EA	2
699-1-1A	LUMINATED SIGN NAME SIGN PANEL MAST ARM MOUNT	EA	8
700-48-10	SIGNAL PANEL (15 OR LESS)	EA	4

SUMMARY OF PAY ITEMS

MIAMI DADE COUNTY
PUBLIC WORKS
HIGHWAY DIVISION

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DATE: 3/27/2007
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